

MERRIMACK FIRE DEPARTMENT

432 Daniel Webster Highway
Merrimack New Hampshire 03054
603-420-1730 ♣ Fax 603.424.0603

INSPECTION REQUIREMENTS

Commercial Inspections

The Building Department will inspect with 24 hr notice and require the submittal weekly certification as prescribed in the construction documents, plans and specifications.

Division 01 – Quality Requirements - References and Standards

- Testing and Inspection Agencies – Third Party Inspections

Division 02 – Site Work

- Underground Utilities – Pipes, Raceways, Conduits, prior to backfill or concrete
 - Sewer
 - Water
 - Electrical

* Below slab and through foundation for approved specs, materials, coverage, clearances etc.

Division 03 – Cast- In- Place Concrete

- Materials – Design Mixtures
- Footing Forms, prior to concrete
- Rebar
- Anchor Bolts/ Column Base Plates
- Concrete Footings
- Concrete Wall Forms with Rebar in place, prior to pour
- Foundation Insulation, prior to backfill
- Vapor Barrier, rebar prior to slab pour
- Pre-Cast Concrete Shear Walls – Quality Assurance
- Anchor & Structural Support System - 3rd Party Inspection

* Field Quality Control - Submit summary of material testing results and field inspections reports from an independent source, as described in the job specifications

Division 04 – Masonry

- Quality Assurance – Brick, CMU & Cultured Stone
- Design Mixes – Mortar & Grout
- CMU Block, with rebar prior to grouting
- Lintels, Bond Beam, Bearing Plates, prior to grouting
- Raceways, Conduit, Pull Boxes in CMU walls, prior to grouting
- Brick/ Cast Stone Veneer Anchor Ties
- Rigid Insulation/ Spray Foam in Masonry Walls, prior to concealment
- Grouting Lifts

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Division 04 – Masonry – Continued

- * Submit summary of material testing results and field inspections reports from an independent source, as described in the job specifications

Division 05 – Steel

- Structural Steel Frame – Columns, Beams, Lintels, Bar Joist, Decking
- Cold Formed Metal Frame – metal stud partitions, soffits, chase walls, etc.
- Metal/ Insulated Wall & Roof Panels, during installation

- * Submit summary of material testing results and field inspections reports from an independent source, as described in the job specifications

Division 06- Wood and Plastics

- Framing
- Blocking (Fire Rated), furring, where approved for structural support

Division 07 – Moisture Protection/ Thermal Insulation

- Foundation – Damproofing prior to backfill & insulation
- Roof - Membrane Insulation
- Rooftop support curbing for Mechanical & Electrical - RTU/ Systems
- Flashing & Underlayment
- Firestopping
- Batt Insulation – at exterior walls
- EFIS & DEFS Systems – prior to base coat application

Division 08 – Doors, Windows & Glazing

- Provide UL listings for fire rated doors, frames, hardware, glazing & windows
- Installation per door grade requirements and manufactures instruction

Division 09- Finishes & Assemblies

- Suspended & Acoustical Ceiling Grid System
- Acoustical Wall Panel System

Division 10 – Signs/ Visual Display Boards

- Refer all approvals/ permits thru the Community Development office

Division 11 – Equipment

- Security Lock “Knox-Box” Box – Merrimack Fire Department
- Loading Dock - Recessed Dock Leveler – Mud Slab prior to setting pit
- Kitchen/ Food Service Equipment – Merrimack Health Department
- Provide UL listed equipment/ appliances with manufactures instructions

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Division 21 – Fire Alarm Systems

- Refer to Third Party Inspection Service & Merrimack Fire Department

* Submit summary of material testing results and field inspections reports from an independent source, as described in the job specifications, as outlined in Division 01

Division 22 – Plumbing

- Trench and below slab sewer drains, potable water pipe and roof drains, prior to backfill
- Trap primers for floor drains, as required
- Sewer Connections to main
- Water Meter(s)
- Irrigation System – Backflow Protection Potable Water Source
- Rough Plumbing – all piping prior to concealment with pressure test with air (5 psi) or water (10' head)
- Hanger & Support Installations
 - Water Pipe – Potable
 - Hydronic Systems
 - Sewer Pipe
 - Drainage Pipe

Division 23 – HVAC

- UL Listed and Labeled Equipment and Appliances
- Ductwork – Main and Branch
- Fire Dampers, as required
- Refrigeration Lines
- Compressors
- Gas Piping
- Hydronic Systems
- Suspended Ceiling - Above Grid Inspection
- Supports and Anchors
- Exhaust, ERV and Ventilation
- Instruments and Controls
- Final Balanced System

Division 26 – Electrical

- Rough Electric – Conduit, Panelboards, Conductors, Cable wiring, pull boxes, outlets, work boxes and switches prior to concealment
- UL Listed and Labeled Equipment and Appliances
- Service Entrance – Meter Bank Location, CT's, Disconnects, Main and Sub Panels
- Transformer Pad(s) and Conduit, as required
- Electrical Room

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Division 26 – Electrical - Continued

- Lighting
- EBU's and Exit Signs
- Generators
- EMT Piping
- Wiring Methods, Clearances and Protection of Physical Damage
- Suspended Ceiling - Above Grid Inspection
- Supports and Anchors
- Instruments and Controls
- Final Inspection of Electrical System

Fire Protection and Life Safety Review

- Submit Third Party Code Consultant